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(51) International Patent Classification <sup>6</sup> : <b>A61K 7/42, 7/48</b>	<b>A3</b>	(11) International Publication Number: <b>WO 97/46208</b> (43) International Publication Date: 11 December 1997 (11.12.97)
<p>(21) International Application Number: PCT/US97/11963</p> <p>(22) International Filing Date: 9 June 1997 (09.06.97)</p> <p>(30) Priority Data: 08/657,915 7 June 1996 (07.06.96) US</p> <p>(71) Applicant: MT. SINAI SCHOOL OF MEDICINE OF THE CITY OF NEW YORK [US/US]; One Gustave L. Levy Place, New York, NY 10028-6574 (US).</p> <p>(72) Inventor: WEI, Huachen; 114-15 Union Turnpike, Forest Hills, NY 11375 (US).</p> <p>(74) Agent: CLARK, Richard, S.; Brumbaugh, Graves, Donohue &amp; Raymond, 44th floor, 30 Rockefeller Plaza, New York, NY 10112 (US).</p>		<p>(81) Designated States: AU, CA, GB, IL, JP, European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE).</p> <p><b>Published</b> <i>With international search report. Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i></p> <p>(88) Date of publication of the international search report: 19 February 1998 (19.02.98)</p>
<p>(54) Title: GENISTEIN AS A PREVENTIVE AGAINST ULTRAVIOLET INDUCED SKIN PHOTODAMAGE AND CANCER</p> <p>(57) Abstract</p> <p>A method of inhibiting the harmful effect of UVR exposure to the human skin comprising topically applying a therapeutically effective amount of genistein to the skin at a time sufficiently close to the time of UVR exposure to inhibit UVR-induced damage to the skin. The genistein appears to act as a chemo preventative agent since it has no appreciable sun blocking effect. The genistein may be mixed with a variety of carriers and skin treatment compositions.</p>		

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## INTERNATIONAL SEARCH REPORT

International Application No

PC/US 97/11963

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 6 A61K7/42 A61K7/48

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 6 A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No
X	DE 44 32 947 A (NEW STANDARD GMBH) 21 March 1996 see the whole document ---	1-10
X	PATENT ABSTRACTS OF JAPAN vol. 009, no. 192 (C-296), 8 August 1985 & JP 60 061513 A (SANSHIYOU SEIYAKU KK), 9 April 1985, see abstract --- -/-	1-10



Further documents are listed in the continuation of box C



Patent family members are listed in annex

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Date of the actual completion of the international search

1 December 1997

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# INTERNATIONAL SEARCH REPORT

International Application No.

PC 1/US 97/11963

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>H. WEI: "Inhibitory effect of genistein on a tumor promoter-induced c-fos and c-jun expression in mouse skin" ONCOLOGY REPORTS, vol. 3, no. 1, 1996, pages 125-128, XP002048780 see page 126, column 1, line 25-34 see page 128, column 1, line 40-43 see abstract</p> <p style="text-align: center;">---</p>	1-3,7,9
X	<p>N.S. LARSEN: "Differentiation Agents Yield Treatment, Prevention Options." J. NATL. CANCER INST., vol. 85, no. 23, 1993, pages 1900-1902, XP002048781 see page 1900, column 1, line 1-6 see page 1901, column 3, line 29-36</p> <p style="text-align: center;">---</p>	1.9
X	<p>H. WEI: "Antioxidant and Antipromotional Effects of the Soybean Isoflavone Genistein" PROCEEDINGS OF SOCIETY FOR EXPERIMENTAL BIOLOGY AND MEDICINE, vol. 208, 1995, pages 124-130, XP002048782 cited in the application see page 127, column 2 see page 128, column 2, line 1-15 see figure 4</p> <p style="text-align: center;">-----</p>	1.9

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/US 97/11963

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
DE 4432947 A	21-03-96	NONE	

Form PCT/ISA/210 (patent family annex) July 1992

